SONY®

STEREO TURNTABLE SYSTEM

PS-Q7

OPERATING INSTRUCTIONS Page 2

Before operating the unit, please read this manual thoroughly.
This manual should be retained for future reference.

MODE D'EMPLOI page 12

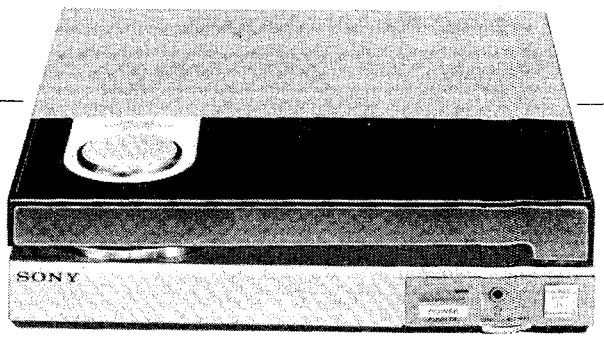
Avant la mise en service de l'appareil, lire attentivement ce mode d'emploi.
Conserver ce manuel pour toute référence ultérieure.

MANUAL DE INSTRUCCIONES Página 22

Antes de manipular el aparato, lea este manual detenidamente.
Consérvelo para futuras referencias.

MANUALE D'USO Pagina 32

Prima d'usare l'apparecchio, vogliate leggere attentamente questo manuale.
Conservate inoltre il presente manuale per riferimenti futuri.



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English

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

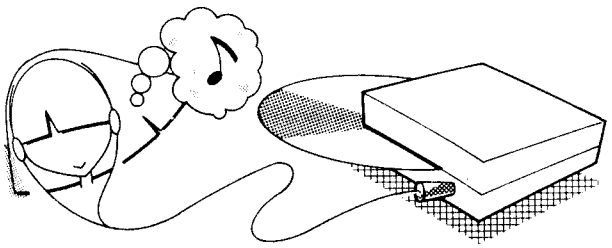
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

TABLE OF CONTENTS

Features 2
Operating voltage 2
Precautions 3
Parts identification 3
Connections 4
Record playing 6
Replacing the stylus 8
Tonearm drop-point adjustment 9
Maintenance 9
Trouble checks 9
Specifications 10

FEATURES

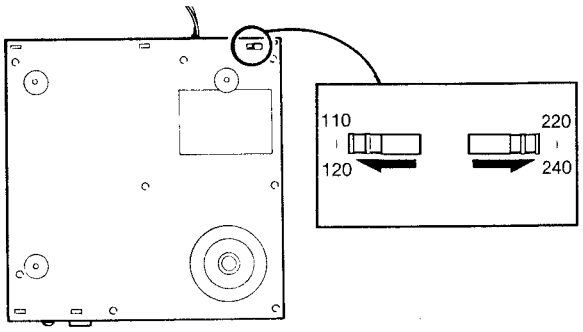
●The PS-Q7 is a very compact stereo turntable system. Its built-in headphone amplifier allows headphones to be directly connected to the turntable and a built-in equalizer amplifier allows the unit to be directly connected to a radio cassette recorder.



●Magnedisc Servo System monitors the speed of the turntable with great precision.
●The linear torque BSL (brushless and slotless) direct drive servo motor has a high signal-to-noise ratio.
●The low-mass tonearm and cartridge allow the stylus to track with greater accuracy.

OPERATING VOLTAGE

Before connecting the unit to the power source, check that the operating voltage of your unit is the same as the local power line voltage.
The model for European countries (Type 1) operates on 220 V ac.
The model for the United Kingdom (Type 2) operates on 240 V ac.*
The model for other countries (Type 3) operates on either 110-120 or 220-240 V ac. The voltage selector is located on the bottom. If the selector must be reset, disconnect the ac power cord and slide the selector to the desired voltage.



For the Customers in the United Kingdom

Important
The wires in the mains lead are coloured in accordance with the following code :

Blue : Neutral
Brown : Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows :
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

PRECAUTIONS

On safety

- Before operating the unit, be sure that the operating voltage of your unit is identical with that of your local power supply.
- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- The unit is not disconnected from the ac power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.

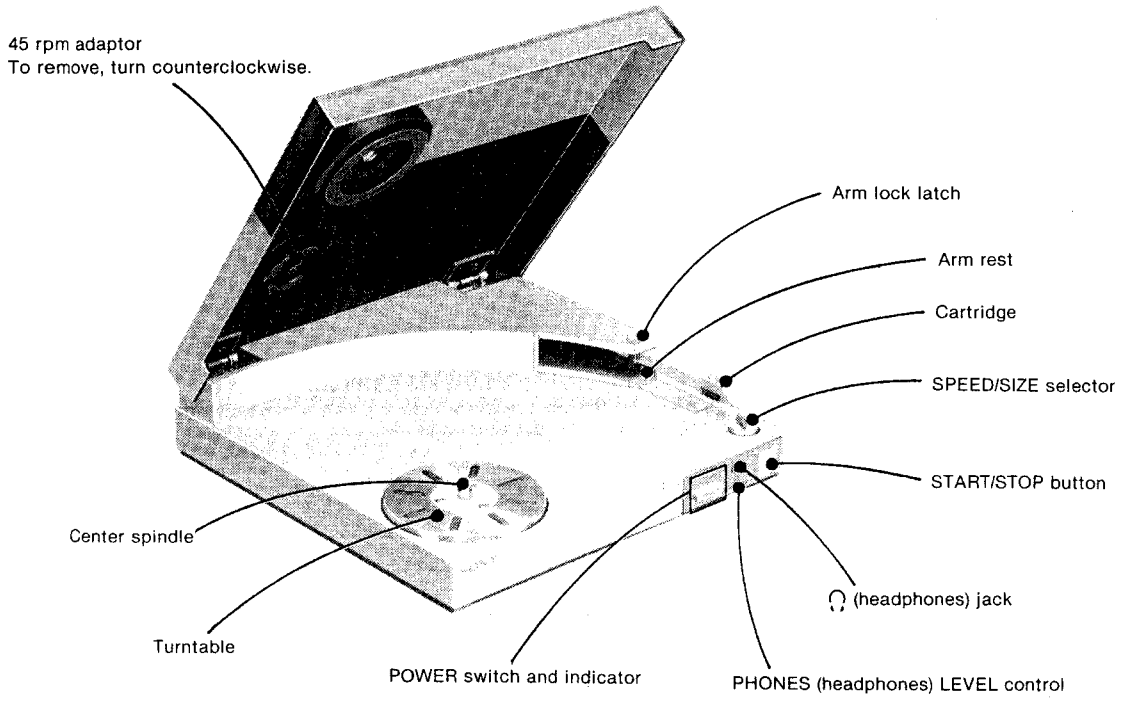
On installation

- Place the turntable on a level surface.
- Avoid placing the unit near electrical appliances (such as a television, hair dryer, or fluorescent lamp) which may cause hum or noise.
- Place the turntable where it will not be subject to any vibration, such as from speakers, slamming of doors, etc.
- Keep the unit away from direct sunlight, extremes of temperature, and excessive dust and moisture.

On repacking

Do not throw away the carton and packing materials. It is an ideal container in which to transport the unit.
When shipping the unit to another location, secure the tonearm to the arm rest and repack it as illustrated on the carton box.

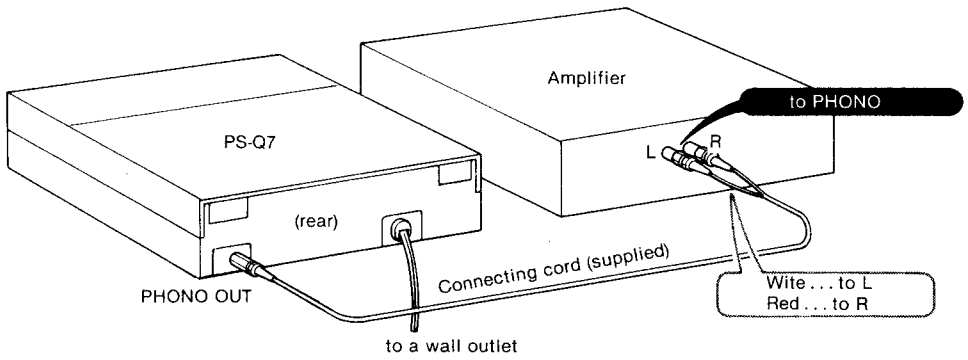
PARTS IDENTIFICATION



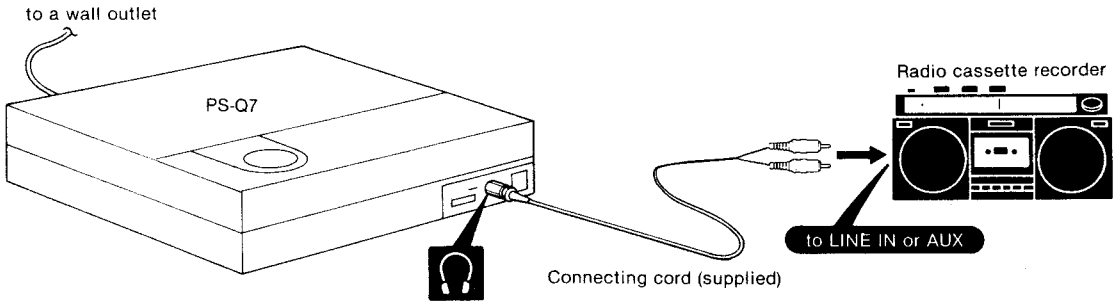
CONNECTIONS

- Turn off the amplifier or a radio cassette recorder before making connections.
- Be sure to insert the cable connectors firmly into the jacks. Loose connections may cause hum and noise.
- Leave a little slack in the connecting cord to allow for inadvertent shock or vibration.

TO THE AMPLIFIER (using the PHONO OUT jack at the rear)

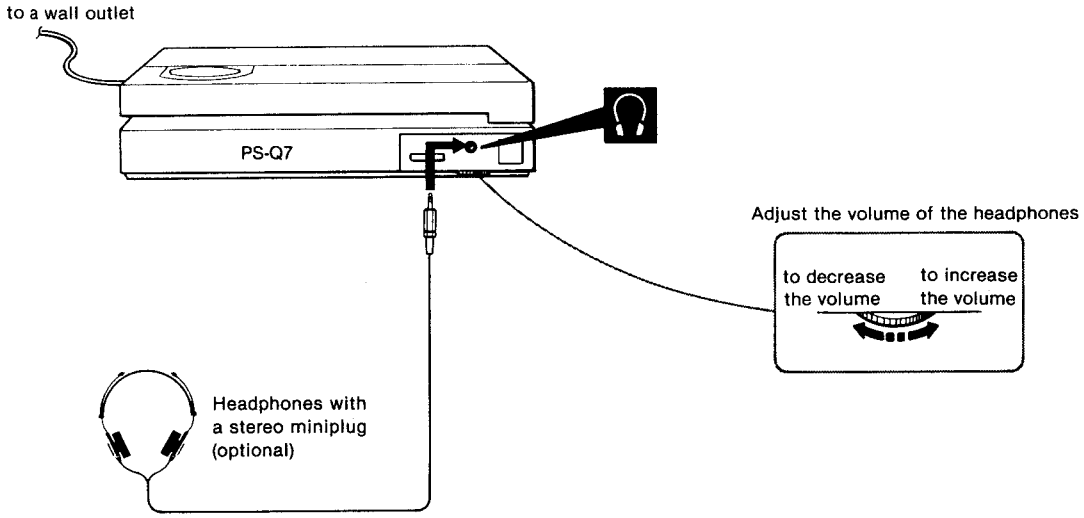


TO THE RADIO CASSETTE RECORDER (Using the ∩ jack on the front panel)



- Set the PHONES LEVEL control to the center position and adjust the volume with the radio cassette recorder's volume control. If the volume is too low, turn the player's PHONES LEVEL control to the right.
- If your cassette recorder is equipped with a LINE IN/PHONO input selector, set it to LINE IN.

TO THE HEADPHONES (Using the ∩ jack on the front panel)

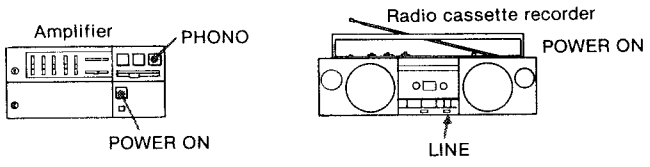

to a wall outlet
PS-Q7
Adjust the volume of the headphones
to decrease the volume
to increase the volume
Headphones with a stereo miniplug (optional)

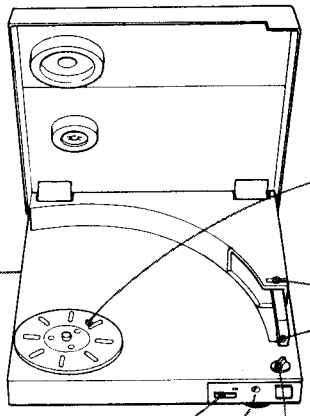
- If your headphones are equipped with a phone plug, use an optional Sony PC-33 plug adaptor.
- When the PS-Q7 is connected to a particular type of amplifier and the amplifier's input selector is not set to PHONO, sound from the headphones connected to the PS-Q7 cannot be heard. In this case, set the input selector of the amplifier to PHONO, or disconnect the connecting cord from the PS-Q7's PHONO OUT jack.

RECORD PLAYING

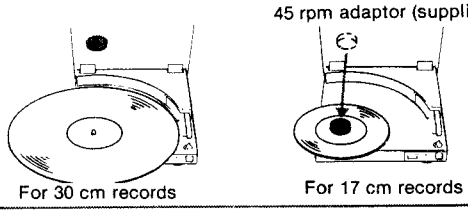
PREPARATION

1 Turn on the amplifier or cassette recorder, or connect the headphones.

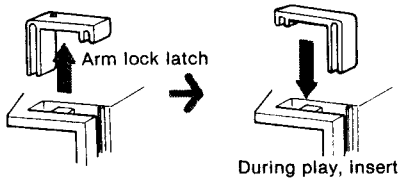




5 Place the record on the platter.



4 Unlock the arm lock latch and remove the stylus guard.



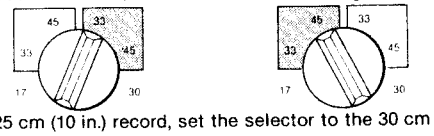
During play, insert the latch as illustrated.

2 Depress the POWER switch to turn on the turntable system.

3 Set the SPEED/SIZE selector according to the speed and size of the record to be used.

For 30 cm, 33 rpm records—blue, 33

For 17 cm, 45 rpm records—green, 45

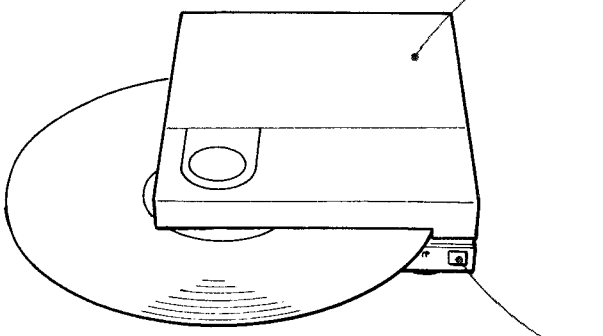


To play 25 cm (10 in.) record, set the selector to the 30 cm (blue) position.

Note

A badly warped record cannot be played because it will rub against the dust cover or the cabinet.

AUTO PLAY



1 Close the dust cover.
During play, be sure to close the dust cover. Do not push down on the dust cover during play since this may cause the record to rotate irregularly.

2 Press the START/STOP button.
The tonearm will move and lower onto the record. Play will begin.

25 cm records cannot be played automatically. Play them manually (see page 8).

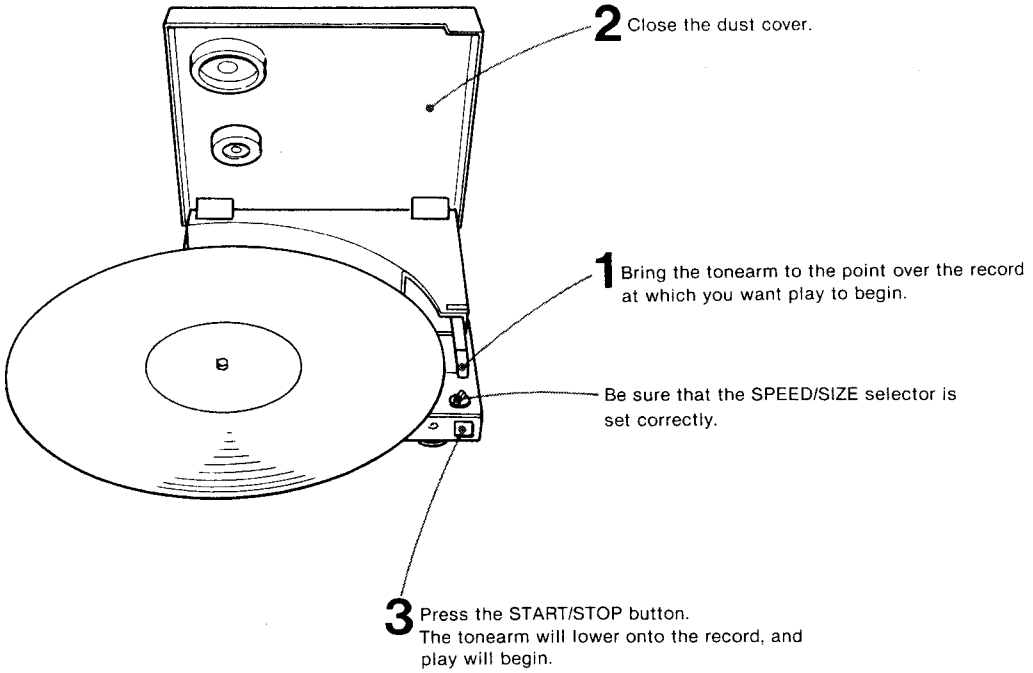
When the tonearm reaches the end of the record, it will automatically return to the arm rest and the turntable will stop.

Note
Do not set the SPEED/SIZE selector to another point before the tonearm has returned to the arm rest.

TIPS ON RECORD HANDLING

- Before playing, clean the record with a record cleaner or soft cloth. If a spray cleaner is used, make sure that it has dried completely before playing the record. Playing the record before the cleaner has dried may damage the record.
It is a good idea to clean the record again before putting it away.
- Handle a record by its edges and do not touch the grooves.
Fingerprints on the record surface may encourage an accumulation of dust, resulting in impaired tone.
- Use a commercially available anti-static spray to neutralize the static electricity on a record.
- Avoid exposing a record to direct sunlight or sources of heat, such as a hot-air duct.
- Store your records vertically. They should not be compressed.

TO BEGIN RECORD PLAY AT A PARTICULAR POINT——Manual play

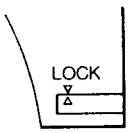

2 Close the dust cover.
1 Bring the tonearm to the point over the record at which you want play to begin.
Be sure that the SPEED/SIZE selector is set correctly.
3 Press the START/STOP button.
The tonearm will lower onto the record, and play will begin.

When the tonearm reaches the end of the record, it will automatically return to the arm rest and the turntable will stop.

Note
If you lower the tonearm too near the record label, the auto return mechanism may not activate at the end of the groove. Press the START/STOP button to return the tonearm to the arm rest.

TO STOP DURING PLAY
Press the START/STOP button. The tonearm will return to the arm rest and the turntable stops rotating.
To start the play again, press the START/STOP button after the tonearm has returned to the arm rest.

AFTER PLAYING
Position the arm lock latch as illustrated.

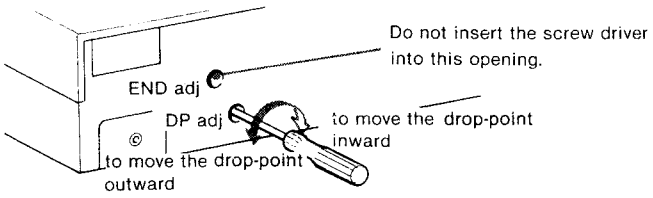


REPLACING THE STYLUS

The stylus will lose its effectiveness and begin to damage records after about 400 hours of use.
For replacement stylus, use the Sony ND-143G.
Handle the stylus carefully as it is very delicate.
Detach the stylus assembly as illustrated and install the replacement stylus.

TONEARM DROP-POINT ADJUSTMENT

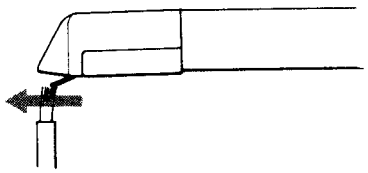
1 Secure the tonearm to the arm rest.
2 Set the SPEED/SIZE selector to the "30" position.
3 Insert a small screw driver into the small "DP adj" opening at the rear and turn it as illustrated.


Do not insert the screw driver into this opening.
END adj
DP adj
to move the drop-point inward
to move the drop-point outward

Start auto play and check that the stylus lowers on to the desired droppoint.

MAINTENANCE

Stylus
Before playing a record, clean the stylus with a soft brush. Brush the stylus from back to front. Never attempt to clean the stylus with your finger tip. If a fluid stylus cleaner is used, make sure not to moisten the stylus too much.



Cabinet
Clean the cabinet and dust cover periodically with a soft dry cloth. If the stains are difficult to remove, use a cloth moistened with a mild detergent solution. Do not use solvents such as alcohol, benzine or thinner, since they will damage the finish.

Lubrication
The turntable requires no periodic lubrication. The motor shaft is lubricated at the factory for the life of the turntable.

TROUBLE CHECKS

The following trouble checks will help you correct most common problems encountered with a turntable system. Should any problem persist after you have made these checks, consult your nearest Sony service facility.
Before proceeding with these trouble checks, first refer to the connections and the operating procedures.

Impaired tone quality
- Dusty stylus.
- The turntable is not placed on a level surface.
- The turntable is incorrectly placed on or too near a speaker.
- Worn stylus or defective record. (The stylus life is approximately 400 hours of playing time.)
- Something is placed on the dust cover.

No audio from one channel
- Loose connection of phono connecting cord.
- Low volume level setting for one channel of the amplifier.

No audio from one channel or both channels of the headphones
- Loose connection of headphones plug.

Groove skipping, tonearm tends to skate, tonearm does not advance.
- The turntable is not placed on a level surface.
- Defective record.
- External vibrations.

Steady low-pitched hum
- Loose connection of phono connecting cord.

Loud rumble or low-frequency howl *
- The turntable is affected by external vibration.
- The turntable is too near a speaker.

* This is called "acoustic feedback" and is caused when vibrations from the speakers are transmitted through the air or via solid objects (such as the shelves, the cabinet, the floor, etc.) to the turntable, where it is picked up by the stylus, amplified and reproduced through the speakers once again.

SPECIFICATIONS

Turntable

Platter	7.8 cm (3 1/8 in.), aluminum-alloy diecast
Motor	Linear torque BSL (brushless and slotless) motor
Drive system	Direct drive
Control system	Magnedisc servo control system
Speed	33 1/3 rpm, 45 rpm
Wow and flutter	0.08% (WRMS)*
Signal-to-noise ratio	68 dB (DIN-B)
Automatic system	Lead-in, return, reject

Tonearm

Type	Dynamic balanced low mass type

Cartridge

Type	Moving magnet type
Frequency response	10 to 20,000 Hz
Channel separation	20 dB at 1 kHz
Load impedance	50 kilohms
Tracking force	2 g
Stylus	Sony ND-143G (0.6 mil diamond)
Weight	3.4 g

Amplifier section

Outputs	PHONO OUT Stereo minijack HEADPHONES Stereo minijack −60 dB to −23 dB (at 8 ohms load)
Frequency response	RIAA equalization curve ±0.5 dB

General

Power requirements	Type 1 : 220 V ac Type 2 : 240 V ac Tyep 3 : 110 - 120 or 220 - 240 V ac adjustable 50/60 Hz
Power consumption	5 W
Dimensions	Approx. 215 × 235 × 58 mm (w/h/d) (8 1/2 × 9 3/8 × 2 3/8 in.) including projecting parts and controls
Weight	Approx. 2.5 kg (5 lbs 8 oz) net Approx. 3.2 kg (7 lbs 8 oz), in shipping carton
Supplied accessory	45-rpm adaptor (1) Connecting cord (1)

While the information given is correct at the time of printing, small production changes in the course of our company's policy of improvement through research and design might not necessarily be indicated in the specifications. We would ask you to check with your appointed Sony dealer if clarification on any point is required.

Note

Appliance conforms with EEC Directive 76/889 regarding interference suppression.

* This new measuring method concerns only the turntable assembly, including the platter. It excludes wow and flutter caused by the tonearm, the cartridge, or the record. Measured by obtaining signal from magnetic pick-up head.